

Highlights

- Pure sine wave output, Zero transfer time
- High frequency on-line double conversion technology
- 3-Level technology and dual-core DSP control technology
- Output power factor 1.0
- High efficiency 96% (up to 98% ECO mode)
- Wide input voltage range
- Active factor power correction up to 0.99 (APFC)
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%
- New coating technology for internal components permit UPS operate in harsh environment for long time
- Fan speed varies with temperature, reducing noise and extending its service life
- 5 inches LCD color display, touch screen
- High protection for: overvoltage, undervoltage, overload, over-temperature, battery low voltage and fan failure
- Compact internal layout provide minimal footprint



Functions

- Advanced multi-platform communications: RS232, USB, RS485, SMTP, Wi-Fi card, GPRS card
- Independent bypass, dual input design
- Improved digital parallel technology (up to 4 UPS modules)
- Adjustable battery configuration
- Digital charging control, charging voltage and current configured by demand
- High efficient software and hardware protection function, complete self-diagnostic functions and abundant logs for check

Specifications

Model	TED004024	TED004246	TED004253	TED004260
Power	10kVA / 10kW	15kVA / 15kW	20kVA / 20kW	30kVA / 30kW
Input				
Rated voltage	230Vac (L-N) 400Vac (3Ø + N +PE)			
Voltage range	130V ÷ 275V / 228V ÷ 480V			
Rated frequency	50 / 60 Hz			
Frequency Range	40Hz ÷ 70Hz			
Power factor	≥ 0.99			
Total harmonic distortion (THDi)	< 1% (linear load), < 3% (nonlinear load)			
Output				
Rated voltage	230Vac (L-N) 400Vac (3Ø + N +PE)			
Frequency Range	50 / 60 Hz			
Transfer Time	0 ms			
Waveform / Power factor	Pure Sine Wave / 1			
Efficiency	≥ 96% at 100% load, ≥ 98% in ECO mode			
Overload	100% ~ 110% - 60 min., 110% ~ 130% - 10 min., 130% ~ 150% - 1 min.			
Total harmonic distortion (THDi)	≤ 1% (linear load); ≤ 3% (non-linear load)			
Battery				
Battery Type	12V 7-9Ah			
Battery configuration	40 pcs 12V 7-9Ah (standard) / 80 pcs 12V 7-9Ah (max. autonomy)			
Charging current	10A			
Protection				
Full Protection	Protect surge, overload, discharge, overcharge protection and short circuit			
Physical				
Output Receptacles	Terminal block			
Product dimensions D x W x H (mm)	250 x 720 x 560	250 x 800 x 700	250 x 840 x 930	
Packed dimensions D x W x H (mm)	350 x 800 x 722	350 x 900 x 862	350 x 950 x 1102	
Net Weight with 40 batteries (kg)	127 kg	129 kg	138 kg	
Gross Weight with batteries (kg)	136 kg	138 kg	148 kg	
Operating Environment				
Operating Humidity/Temperature	0 - 95% / 0 - 40°C			
Noise level	58dB Max.			
Management				
Interface connections (standard)	Standard: RS232, RS485, USB, battery cold start			
Optional Interface connections	Programmable dry contact, SNMP, parallel kit			